

**CERTIFICATE OF MAIL (37 CFR 1.8(a))**

*I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on October 31, 2001.*

Signed: 

Tina Hall

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Haines, et al.

Attorney Docket No. 8035145

Serial No. 09/866,252

Filed: May 24, 2001

For: METHOD AND APPARATUS FOR DISC  
DRIVE BUFFER SEGMENT MANAGEMENT

**LETTER TO OFFICIAL DRAFTSPERSON**

Sir:

Please find enclosed six (7) sheets of formal drawings, consisting of Figs. 1-7 to replace the drawings previously filed with the application.

The Commissioner is authorized to charge any fee associated with the filing of the enclosed formal drawings (or credit any overpayment thereof) to counsel's Deposit Account No. 20-0782 (Order No. 8035145; a duplicate of this transmittal is provided.

Respectfully submitted,

By: 

James A. Sheridan, Reg. No. 25,435

MOSER, PATTERSON & SHERIDAN, LLP  
4149 El Camino Way, Suite B  
Palo Alto, California 94306-4036  
Telephone: (650) 320-0000  
Facsimile: (650) 320-0099

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**TRANSMITTAL**

**Box Missing Parts**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Please find enclosed the following documents relating to the subject patent application:

- ☒ Copy of Notice to File Missing Parts of Application dated July 27, 2001;
- ☒ Signed Declaration for Patent Application for Mr. William S. Herz;
- ☐ Recordation of Assignment Cover Sheet;
- ☐ Signed Assignment of Patent Application;
- ☒ Petition for Extension of Time;
- ☒ Letter to Official Draftsperson and formal drawings (7 sheets);
- ☒ Return Postcard;
- ☒ Please charge the amount of \$530.00 to Deposit Account No. 20-0782 (Order No. 8035145/JAS) (\$130 surcharge; \$400 extension of time).

The Commissioner is authorized to charge any additional fees including any extension of time fees to Deposit Account No. 20-0782 (Order No. 8035145/JAS).

Respectfully submitted,

By: 

James A. Sheridan, Reg. No. 25,435

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Palo Alto, California 94306-4036  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/866,252	05/24/2001	Jonathan W. Haines	8035145

CONFIRMATION NO. 4581

## FORMALITIES LETTER



\*OC00000006352482\*

THOMASON, MOSER & PATTERSON, LLP  
Suite B  
4149 El Camino Way  
Palo Alto, CA 94306-4036

File 8035145 Atty [Signature]  
Due Date 09/27/01 (P)  
Type MP Ret's [Signature]  
(OATH + D.W.O.S.)

Date Mailed: 07/27/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The signature of the following inventor(s) is missing from the oath or declaration:  
*William S. Herz*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice MUST be returned with the reply.*

A.T.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY



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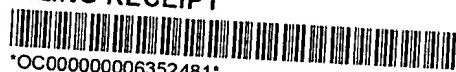
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UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GR/ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/866,252	05/24/2001	2185	710	8035145	7	20	3

THOMASON, MOSER & PATTERSON, LLP  
Suite B  
4149 El Camino Way  
Palo Alto, CA 94306-4036

CONFIRMATION NO. 4581

## FILING RECEIPT



\*OC000000006352481\*

Date Mailed: 07/27/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

### Applicant(s)

Jonathan W. Haines, Lafayette, CO;  
William S. Herz, Hayward, CA;

### Assignment For Published Patent Application

Seagate Technology LLC;

### Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/206,743 05/24/2000

### Foreign Applications

If Required, Foreign Filing License Granted 07/26/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

### Title

Method and apparatus for disc drive buffer segment management

Preliminary Class

711

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Data entry by : TESFAYE, ALEM

Team : OIPE

Date: 07/27/2001



**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231